```
------------------------------------------------------------
1       SUBROUTINE SUB(A,N)
2       INTEGER N
3       REAL A(ABS(N))
4       WRITE(*,*) A
5       END SUBROUTINE
------------------------------------------------------------
```

FIG. 1A

PRIOR ART

```
------------------------------------------------------------
1       SUBROUTINE SUB(A,N)
2       INTEGER N
        IF (N.GE.0) THEN             ! EXPANSION  CODE
          TMP = N                    ! EXPANSION  CODE
        ELSE                         ! EXPANSION  CODE
          TMP = -N                   ! EXPANSION  CODE
        END IF                       ! EXPANSION  CODE
3       REAL A(TMP)
4       WRITE(*,*) A
5       END SUBROUTINE
------------------------------------------------------------
```

FIG. 1B

PRIOR ART

REPLACEMENT
SHEET

```
        char *copy_string(char *s)
        {
          int i;
          char *buffer = (char*)malloc(strlen(s) + 1);

          for (i = 0; s[i] != '\0'; ++i)
            buffer[i] = s[i];

          return buffer;
        }
```

FIG. 2A

PRIOR ART

```
        char *copy_string(char *s)
        {
          int i;
  char *p; /* EXPANSION CODE */
  int tmp; /* EXPANSION CODE */
  tmp = 0; /* EXPANSION CODE */
  for (p = s; *p != '\0'; ++p) /* EXPANSION CODE */
    ++tmp; /* EXPANSION CODE */
          char *buffer = (char*)malloc(tmp + 1);

          for (i = 0; s[i] != '\0'; ++i)
            buffer[i] = s[i];

          return buffer;
        }
```

FIG. 2B

PRIOR ART

REPLACEMENT
SHEET

```
1       IF (Z.GT.EPS) THEN
2         A=B1
3       ELSE IF(ABS(Z).LE.EPS) THEN
4         A=B2
5       ELSE
6         A=B3
7       END IF
```

FIG. 3A
PRIOR ART

```
1       IF (Z.GT.EPS) THEN
2         A=B1
3a      ELSE
          IF (Z.GE.0.0) THEN         ! EXPANSION  CODE
            TMP = Z                  ! EXPANSION  CODE
          ELSE                       ! EXPANSION  CODE
            TMP = -Z                 ! EXPANSION  CODE
          END IF                     ! EXPANSION  CODE
3b        IF(TMP.LE.EPS) THEN
4           A=B2
5         ELSE
6           A=B3
3c        END IF
7       END IF
```

FIG. 3B
PRIOR ART